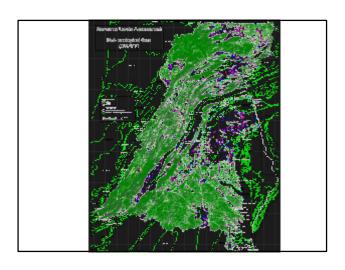


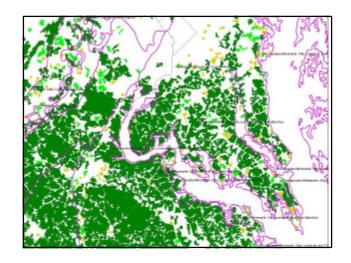




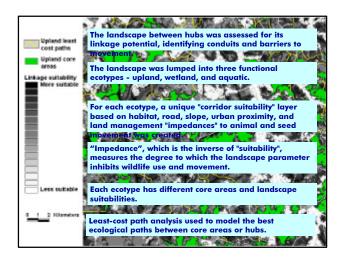
Variable	Variable description	Weight
EO_WT_SUM	Rare species occurrences in the hub, weighted by their rarity and population condition or viability (MD and VA only)	8 in MD, 5 in VA?
TOTALVERTS	Number of native vertebrate species modeled in the hub (PA only)	8
VA_MAXVERT	Number of native vertebrate species modeled in the hub (VA only)	3?
TOT_NEOTRP	Number of neotropical migrant bird species in the hub	4
UPINTFORAC	Area of upland interior forest (ac)	4
WTINTFORAC	Area of wetland interior forest (ac)	4
OTHERWETAC	Area of other wetlands (ac)	3
IFSTRM_KM	Length of streams within interior forest in the hub (km)	4
VEGSUCCLSS	Fraction of the hub in mature and natural vegetation communities	4
NUM_ECOREG	Number of ecoregions in the hub	2
GAP_TYPES	Number of GAP vegetation types in the hub	1
WETL_TYPES	Number of NWI wetland types	2
STRM_NODES	Numer of stream sources and junctions	1
ELEV_STD	Topographic relief (standard deviation of elevation) in the hub	1
SOIL_GRPS	Number of STATSGO soil types	1
INTNAT_PCT	% of interior natural area in the hub	4
MAJRD_DIST	Mean distance to nearest major roads (m)	2
PAVERDDIST	Mean distance to nearest paved road (m)	2
RDRAILDIST	Mean distance to nearest paved road, unpaved road, railway, or VA powerline (m)	1
-NEARESTHUB	Distance to nearest neighboring hub, transformed by multiplying by -1 (m)	2
FORAC_1kM	Acres of forest outside the hub, but within 1 km	2
WETAC_1KM	Acres of unmodified wetlands outside the hub, but within 1 km	2
CORE_1KM	Acres of core area outside the hub, but within 1 km	2
FORAC10kM	Acres of forest outside the hub, but within 10 km	1
WETAC10KM	Acres of unmodified wetlands outside the hub, but within 10 km	1
CORE_10KM	Acres of core area outside the hub, but within 10 km	1
HUBPCT10kM	% hub area outside the hub, but within 10 km	1

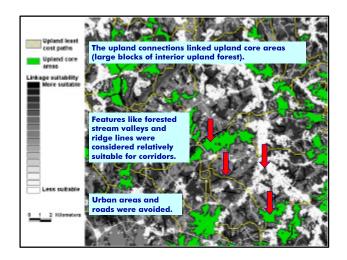


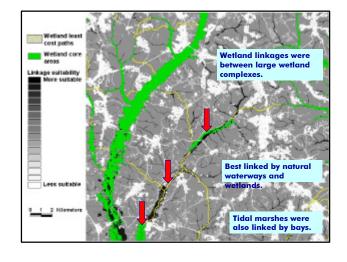


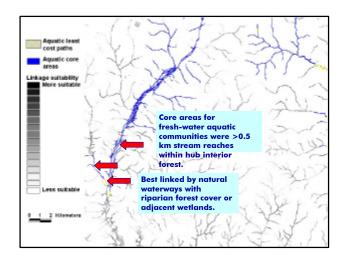


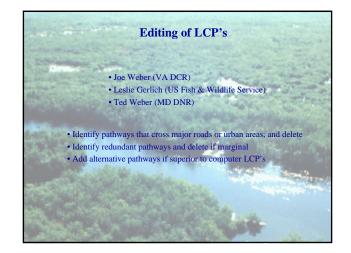




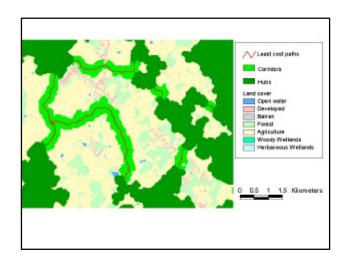


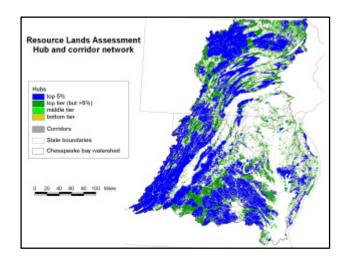


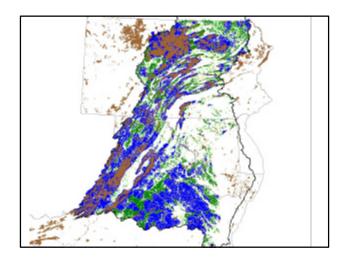




1. Buffer least cost paths a minimum 168 m on each side of the path, giving 135 m of interior conditions and 100 m of transition to edge on either side 2. If the LCP follows a stream, also include adjacent steep slopes 3. Add adjacent forest and wetland







Possible future steps:

- 1. Create finer-scale (cell-based) ecological ranking.
- 2. Integrate habitat model with other RLA data
- 3. Create and distribute maps and documents
- 4. Re-do model when better data is available.
 - a. More recent land cover (e.g., RESAC)
 - b. BCD data from PA and WV, and delineated habitat areas from MD, VA, etc.
 - GAP vertebrate models for all states (umbrella species)
 - d. Faster computers needed! (took four computers several days each to calculate LCP's)